

Greater Farallones National Marine Sanctuary

Person-Days of Recreational Fishing by Mode in Greater Farallones National Marine Sanctuary, 2010 - 2012

The Office of National Marine Sanctuaries has prepared the *Economic Impact of the Recreational Fisheries on Local County Economies in Greater Farallones National Marine Sanctuary 2010, 2011 and 2012*. This report estimates the **total number of person-days by mode of access** (e.g. shore, private-rental boat and commercial passenger fishing vessel (CPFV)), within Greater Farallones National Marine Sanctuary (GFNMS) using data from the State of California's Recreational Fishing Statistics Program (CRFS). These results were then used to estimate total economic impacts of recreational fishing within the sanctuary to the local economy.

Map of Greater Farallones National Marine Sanctuary

**Each year, from 2010 through 2012,
there were, on average...**



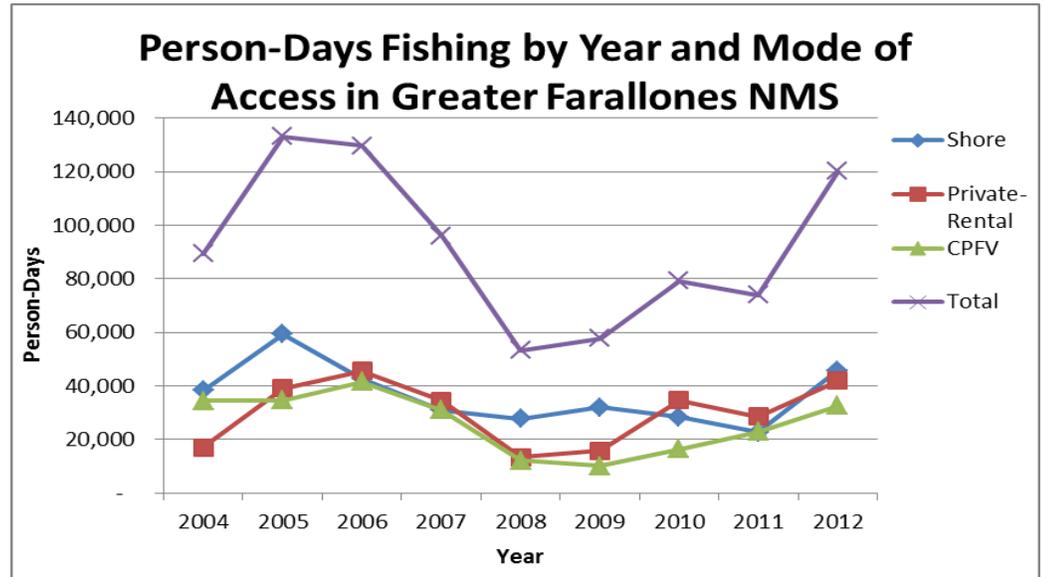
Photo Credits: Greater Farallones National Marine Sanctuary

Person-Day Trends

The figure to the right shows the trends in person-days within GFNMS from 2004 through 2012, by mode of fishing and for total person-days. The number of person-days declined from 2006 through 2008, but began to increase from 2009 through 2012.

GFNMS is located within two CRFS districts: 4 and 5. On average each year, fishing in GFNMS accounted for **11.2% of the total person-days of recreational fishing from California Districts 4 and 5**, and **2.0% of the entire State of California's total recreational fishing effort**. Districts are defined by CRFS and are used to identify regions of fishing along the shoreline.

Recreational shore fishing accounted for an average of 5.1% of person-days, 24.7% of private-rental boat person-days and 52.8% of commercial passenger vehicle person-days of all the person-days in Districts 4 and 5. Shore fishing in GFNMS accounted for 1.0%, private-rental boat fishing for 5.3% and commercial passenger vehicle fishing for 5.4% of the total State of California's fishing effort by mode of access.



| Number of Person-Days by Mode of Access, 2010-2012 and 3-year Average | | | | |
|---|--------|--------|---------|---------|
| Mode of Access | 2010 | 2011 | 2012 | Average |
| Shore | 28,327 | 22,718 | 45,744 | 32,263 |
| % in GFNMS | | | | 5.1% |
| Private - Rental Boating | 34,638 | 28,528 | 41,795 | 34,987 |
| % in GFNMS | | | | 24.7% |
| CPFV | 16,304 | 22,760 | 32,589 | 23,884 |
| % in GFNMS | | | | 52.8% |
| Total of All Modes | 79,269 | 74,006 | 120,129 | 91,134 |
| % in GFNMS | | | | 11.2% |

The percentages in the Table above are the percent of marine recreational fishing person-days that occur within the GFNMS when compared to all the person-days that occur within CRFS Districts 4 and 5.

More Information: A complete copy of the report is available at:
<http://sanctuaries.noaa.gov/science/socioeconomic/farallones/pdfs/gfnms-rec-report.pdf>

Dr. Vernon R. (Bob) Leeworthy
 Chief Economist
 Office of National Marine Sanctuaries
Bob.leeworthy@noaa.gov

Dr. Danielle Schwarzmann
 Economist
 Office of National Marine Sanctuaries
Danielle.schwarzmann@noaa.gov

Definitions of Key Terms (adapted from RecFin, 2014)

Person-Days –The number of days (not trips) a person fishes.

Commercial Passenger Fishing Vessel (CPFV) –There are two categories. The first is a charter boat, which operates under charter for a specified price, time, etc. A party boat is a boat on which fishing space and privilege are provided for a fee per angler.

Private-Rental Fishing –A private boat is defined as belonging to an individual; it is neither for rent nor for transporting paying passengers. A rental boat is defined as a boat that is rented without crew or a guide; it does not transport paying passengers.

Shore Mode Fishing –Fishing accessed on beaches, banks and man-made structures.